

# TPMC-9

## Isys® 9" Tilt Touch Screen

The Isys® TPMC-9 Tilt Touch Screen from Crestron® delivers high-end style and performance in a striking tabletop design. Sleek and compact, the TPMC-9 features a generous 9" widescreen display with advanced Core 3 UI™ touch screen graphics, IP intercom, and high-performance H.264 video.

### Advanced Touch Screen Control

A Crestron touch screen offers an ideal user-interface for controlling all the technology in your home, boardroom, classroom, courtroom, or command center. Touch screens do away with piles of remote controls, cluttered wall switches, and cryptic computer screens, simplifying and enhancing the way you use technology. For controlling home theater, multimedia presentation, audio, video, lighting, HVAC, and other systems, Crestron touch screens are fully-customizable with easy-to-use controls and icons, true feedback and real-time status display, full-motion video windows, and advanced navigation of digital media servers, tuners, and other devices.

### Powered by Core 3™

Crestron touch screens have always offered the ultimate user experience. With Core 3 UI, they also deliver the ultimate value, enabling the creation of dynamically rich user interfaces with incredible efficiency and unparalleled functionality. Using Core 3 UI, programmers can swiftly integrate fluid gesture-driven controls, animated feedback, metadata, embedded apps, and full-motion video for a deeply engaging and ultra-intuitive touch screen experience.

Some Core 3 UI enhancements:

- Cool-looking graphical buttons, sliders, knobs, and gauges are intuitive and fun to use.
- Kinetic effects enhance the feeling of realism with lists and toolbars that scroll with momentum at the flick of a fingertip.
- Drag-and-drop objects snap into place offering an easy way to assign assets to rooms.
- Desktop widgets personalize the touch screen with animated clocks, calendars, weather, news, and other information.
- Customizable themes allow a completely different look and feel for every user, event, or season.
- Fully-developed SmartObjects™ enable sophisticated control over complex devices with minimal programming.
- Smart resizing scales objects perfectly and instantly for faster GUI development — even across different sized touch screens.

### Integrated Video

High-performance streaming video capability makes it possible to view security cameras and other video sources over the network right on the touch screen. Native support for H.264 and MJPEG formats allows the TPMC-9 to display live video images from Web cameras and servers such as the Crestron CEN-NVS200 Network Video Streamer<sup>[1]</sup>. A wired video input is also provided to allow viewing of a composite video source. Video images can be displayed full frame or in fully-scalable windows anywhere on the touch screen.

### IP Intercom

Equipped with integrated speakers and microphone, the TPMC-9 allows touch screen-to-touch screen voice communication and room monitoring via IP over Ethernet, eliminating the need for any special audio wiring, switchers, or programming.



### Audio Feedback

Customized WAV files can be loaded on the TPMC-9 to add another dimension to the touchscreen graphics using personalized sounds, button feedback, and voice prompts.

### High-Speed Connectivity

Both Cresnet® and high-speed Ethernet are standard on the TPMC-9, providing for easy network integration and seamless communications with Crestron control systems and other network devices.

### Versatile Install Options

With its integral tilting base, the TPMC-9 provides a very clean and stylish touch screen solution for small countertops, desks, podiums, and bedside tables. The screen tilt is installer-adjustable at up to a 45 degree angle for optimal viewing and operation.<sup>[2]</sup>

A single cable exits the rear of the base. The 10 ft (3 m) cable extends to a separate interface module (TPS-6X-IMCW<sup>[3]</sup>), which may be discreetly mounted to a flat surface or in a flush wall box, providing full connectivity for power, communications, and video signals. Control system communication is afforded through Cresnet and Ethernet ports. Wired video connectivity is handled through a choice of balanced or unbalanced composite inputs, allowing compatibility with both conventional coaxial and Crestron Home® Balanced AV distribution systems.

> Sleek, contoured design for tabletop use

> Elegant smooth black or white, or textured black finishes

> Generous 9" widescreen color touch screen

> 16-bit color graphics powered by Core 3™

> 800 x 480 WVGA display resolution

> Native H.264 streaming video for viewing Web cameras and HD sources

> Wired composite video input

# TPMC-9 Isys® 9" Tilt Touch Screen

- > *Crestron IP intercom*
- > *WAV file customizable audio feedback*
- > *Built-in microphone and speakers*
- > *Crestron Home® CAT5 video connectivity*
- > *High-speed Ethernet and Cresnet® communications*
- > *Built-in USB port for direct program upload*
- > *Up to 45 degree tilt adjustment<sup>[1]</sup>*
- > *Low-profile single-wire connection*

## SPECIFICATIONS

**Note:** See also TPS-6X-IMCW for additional specifications.

### Touch Screen Display

**Display Type:** TFT Active matrix color LCD  
**Size:** 9 inch (229 mm) diagonal  
**Aspect Ratio:** 15:9 WVGA  
**Resolution:** 800 x 480 pixels  
**Brightness:** 350 nits (cd/m<sup>2</sup>)  
**Contrast:** 700:1  
**Color Depth:** 24-bit, 16.7M colors  
**Illumination:** Edgelit fluorescent  
**Viewing Angle:** ±88° horizontal, ±88° vertical  
**Touch Screen:** Resistive membrane

### Buttons

**Reset:** (1) Miniature pushbutton for hardware reset, on rear

### Memory

**DDR RAM:** 256 MB  
**Flash:** 2 GB  
**Maximum Project Size:** 40 MB

### Graphics Engine

Core 3 UI™, 16-bit color depth (non-palette), VT Pro-e® programmable, supports pre-Core 3 projects

### Communications

**Ethernet:** 10/100 Mbps, auto-switching, auto-negotiating, auto-discovery, full/half duplex, DHCP, for control and console  
**Cresnet®:** Cresnet slave mode for control and console  
**USB:** USB 1.1 client for console

### Video

**Analog Input Signal Types:** Composite  
**Analog Formats:** NTSC 480i or PAL 576i  
**Analog Color Depth:** 24-bit, 16.7M colors  
**Streaming Formats:** H.264 (MPEG-4 part 10 AVC), MJPEG

### Audio

**Features:** Built-in microphone and speakers, Crestron IP Intercom  
**Audio Feedback:** WAV format, 8 & 16 bit PCM, mono & stereo, 8 - 44.1 kHz sampling rates

### Connectors

**To Module:** Integral 10 ft (3 m) cable with 10-pin RJ50 male connector; Connects to TPS-6X-IMCW interface module<sup>[3]</sup>;  
See the TPS-6X-IMCW interface module specification for other connectors  
**USB:** Mini-B USB 1.1 console port, on rear;  
Mini-B to A USB cable included

### Power Requirements

**Power Pack:** 0.75 Amps @ 24 Volts DC;  
100-240 Volts AC, 50/60 Hz power pack, model PW-2407WU included  
**Cresnet Power Usage:** 18 Watts (0.75 Amps @ 24 Volts DC) including TPS-6X-IMCW module<sup>[3]</sup>  
Note: May be powered by power pack or Cresnet network power, not both.  
All power connections are made via the TPS-6X-IMCW interface module<sup>[3]</sup>

### Environmental

**Temperature:** 32° to 95°F (0° to 35°C)  
**Humidity:** 10% to 90% RH (non-condensing)  
**Heat Dissipation:** 61 BTU/hour

### Enclosure

Plastic, 0° to 45° adjustable tilt mechanism<sup>[2]</sup>, low-profile base, integral 10 ft (3 m) cable assembly

### Dimensions

**Height:** 7.09 in (180 mm) maximum;  
6.91 in (176 mm) minimum  
**Width:** 10.72 in (273 mm)  
**Depth:** 7.02 in (179 mm);  
6.48 in (165 mm) without grommet

### Weight

4.1 lb (1.9 kg)

### Available Models

**TPMC-9-B:** Isys® 9" Tilt Touch Screen, Black Smooth  
**TPMC-9-B-T:** Isys® 9" Tilt Touch Screen, Black Textured  
**TPMC-9-W-S:** Isys® 9" Tilt Touch Screen, White Smooth

### Included Accessories

**TPS-6X-IMCW** Interface Module for TPS-6, TPS-6X-DS, TPS-6X-DS-LP, & TPMC-9 [Included Quantity for TPMC-9-B, TPMC-9-B-T, TPMC-9-W-S: 1]  
**PW-2407WU** Wall Mount Power Pack 24VDC, 0.75A, Universal [Included Quantity for TPMC-9-B, TPMC-9-B-T, TPMC-9-W-S: 1]

### Available Accessories

**CEN-NVS200:** Network Video Streamer  
**CEN-NVS200-PWE:** Network Video Streamer w/PoE Injector  
**SW-VMK-WIN:** TouchPoint® Virtual Mouse & Keyboard Software for Windows®  
**CRESNET-NP-TL-B250:** Cresnet® Control Cable, non-plenum, teal, 250 ft box  
**CRESNET-NP-TL-B500:** Cresnet® Control Cable, non-plenum, teal, 500 ft box  
**CRESNET-NP-BK-B500:** Cresnet® Control Cable, non-plenum, black, 500 ft box  
**CRESNET-NP-OR-B500:** Cresnet® Control Cable, non-plenum, orange, 500 ft box  
**CRESNET-NP-YL-B500:** Cresnet® Control Cable, non-plenum, yellow, 500 ft box  
**CRESNET-NP-TL-SP500:** Cresnet® Control Cable, non-plenum, teal, 500 ft spool  
**CRESNET-NP-TL-SP1000:** Cresnet® Control Cable, non-plenum, teal, 1000 ft spool

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**CRESNET-P-TL-SP1000:** Cresnet® Control Cable, plenum, teal, 1000 ft spool

**CRESNET-HP-NP-TL-SP500:** Cresnet® "High-Power" Control Cable, non-plenum, teal, 500 ft spool

**CRESNET-HP-NP-TL-SP1000:** Cresnet® "High-Power" Control Cable, non-plenum, teal, 1000 ft spool

**CRESCAT-NP-SP500:** Crestron Home® CAT5 AV Cable, Single CAT5e & Cresnet, non-plenum, 500 ft spool

#### Notes:

1. Item(s) sold separately.

2. The tilt angle must be set to a fixed position for normal use. Adjustment of the tilt angle requires a 5/32" hex wrench (included).

3. Item included, see individual product specifications for additional information.

This product may be purchased from an authorized Crestron dealer. To find a dealer, please contact the Crestron sales representative for your area. A list of sales representatives is available online at [www.crestron.com/salesreps](http://www.crestron.com/salesreps) or by calling 800-237-2041.

Specifications subject to change without notice. Crestron is not responsible for errors in typography or photography.

The specific patents that cover Crestron products are listed online at: [patents.crestron.com](http://patents.crestron.com).

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